

## Amendments to Claims

1. **(Currently Amended)** A fuel cell comprising:

a catalyst coated proton exchange membrane disposed between an anode substrate and a cathode substrate, each of said substrates being provided with an edge seal formed of a sealant material extruded into the substrate by a hot lamination process, at least one of said substrates having a ~~foam~~ silicon rubber gasket adhered thereto only by said sealant material film during said hot lamination process.

2. **(Currently Amended)** A fuel according to claim 1 wherein both of said substrates have a ~~foam~~ gasket adhered thereto by said sealant material during said hot lamination process.

3. **(Original)** A fuel cell according to claim 1 wherein:  
said sealant material comprises a thermoplastic polymer.

4. **(Original)** A fuel cell according to claim 1 wherein:  
said sealant material comprises a thermoset polymer.

5. **(Original)** A fuel cell according to claim 1 wherein:  
said sealant material comprises an elastomeric polymer.

6. **(Currently Amended)** A fuel cell according to claim 1 wherein only one of said substrates has a ~~foam~~ gasket adhered thereto, and wherein:  
the other of said substrates has a reactant gas flow field plate adhered thereto by said sealant material which is extruded into said substrate by said hot lamination process, and a reactant gas flow field plate related to said one substrate

is adhered to said first reactant gas flow field plate by said sealant material during said hot lamination process, to form an integral fuel cell with a gasket.

7. **(Currently Amended)** A fuel cell stack comprising a plurality of fuel cells according to claim 6 compressed together, whereby the ~~foam~~ gasket of one fuel cell provides a gas seal with the second reactant flow field plate of a fuel cell adjacent thereto in said stack.